

What is claimed is

1. An anesthesia delivery device for use on a patient having a mouth and a nose having a naris, the delivery device being capable of being coupled to a ventilation system having an inspiratory gas input for delivering gas to the patient and an exhaust gas output for delivering gas from a patient to the ventilation system, the anesthesia device comprising:

an inspiratory gas line having a machine end and a patient end, the machine end being capable of being fluidly coupled to the inspiratory gas input of the ventilation system, and the patient end being configured for being received within the naris of the patient for delivering inspiratory gas to the naris of the patient, and a face mask comprising

a dome portion sized to cover the patient's nose without covering the patient's mouth, the dome portion defining an inside air space between the patient's nose and the dome portion, and an outside air space exterior of the dome portion,

a vent for allowing gas to pass between the inside air space and the outside air space,

an exhaust port capable of being fluidly coupled to the exhaust gas output of the ventilation system for allowing gas to pass from the inside air space to the exhaust gas output of the ventilation system;

wherein the exhaust port and vent are capable of cooperatively exerting a negative pressure on the outside air space adjacent to the face mask for preventing inspiratory gases from

entering the outside air space adjacent to the face mask.

2. The anesthesia delivery device of claim 1 further comprising an eye shield having a shield attachment mechanism for attaching the eye shield to the face mask such that the eye shield covers the eyes of the patient.
3. The anesthesia delivery device of claim 2 further comprising an exhaust line attached to the exhaust port of the face mask, wherein the shield attachment mechanism comprises a cut-out portion shaped to fit around the exhaust line.
4. The anesthesia delivery device of claim 2 wherein the eye shield is a flat sheet-like shaped piece of material.
5. The anesthesia delivery device of claim 1 wherein the face mask further comprises a cushion member attached to the lower edge of the dome portion of the face mask.
6. The anesthesia delivery device of claim 5 wherein the cushion member contains a bladder filled with a gas, and is scented.
7. The anesthesia delivery device of claim 6 wherein the face mask further includes an inflation valve for increasing or decreasing the gas pressure within the bladder.

8. The anesthesia delivery device of claim 7 further comprising an eye shield having an aperture sized and located to fit around the inflation valve.
9. The anesthesia delivery device of claim 1 wherein the face mask further comprises an inspiratory port, the inspiratory gas line passing from the outside air space exterior to the dome portion of the face mask into the inside air space between the dome portion of the face mask and the patient's nose through the inspiratory port.
10. The anesthesia delivery device of claim 1 wherein the inspiratory gas line comprises a mask connector member for connecting the inspiratory gas line to the face mask.
11. The anesthesia delivery device of claim 10 wherein the inspiratory gas line further comprises a first side line, a second side line, and a slide member; wherein inspiratory gases pass between the machine end and the patient end of the inspiratory gas line through both the first side line and the second side line; wherein the slide member surrounds the first and second side lines and is slideable along the first and second side lines allowing the first and second side lines to be placed on opposite sides of the patient's head and the slide member can be positioned to create a snug fit of the inspiratory gas line around the head of the patient to hold the anesthesia delivery device in place.
12. The anesthesia delivery device of claim 11 wherein the face mask further comprises

an inspiratory port, the inspiratory gas line passing from the outside air space exterior to the dome portion of the face mask into the inside air space between the dome portion of the face mask and the patient's nose through the inspiratory port.

13. The anesthesia delivery device of claim 1 further comprising a strap for attaching the anesthesia delivery device to the patient's head.
14. The anesthesia delivery device of claim 13 wherein the face mask further comprises a left post extending into the outside air space on one side of the exhaust port and a right post extending into the outside air space on the opposite side of the exhaust port; and wherein the strap further comprise a first attachment point and a second attachment point; the first attachment point being capable of attachment to the right post of the face mask and the second attachment point being capable of attachment to the left post of the face mask.
15. The anesthesia delivery device of claim 13 further comprising an exhaust line attached to the exhaust port of the face mask, wherein the strap further comprises an attachment mechanism for attaching to the exhaust line to secure the anesthesia delivery device to the patient's head.
16. The anesthesia delivery device of claim 15 wherein the attachment mechanism of the strap is a slit in the strap, wherein the slit is capable of being placed around the

exhaust line.

17. The anesthesia delivery device of claim 13 wherein the strap further comprises a right side having a proximal end and a distal end, the proximal end of the right side of the strap being attached to the face mask on the right side of the patient's head and the distal end of the right side having a first fastening piece; and a left side having a proximal end and a distal end, the left side of the patient's head and the distal end of the left side having a second fastening piece; the first fastening piece being capable of being matingly connected to the second fastening piece.
18. The anesthesia delivery device of claim 17 wherein the first fastening piece comprises the hook material of a Velcro fastener, and the second fastening piece comprises the eye material of a Velcro fastener.
19. The anesthesia delivery device of claim 1 wherein the vent is formed by an aperture in the face mask.
20. The anesthesia delivery device of claim 1 wherein the vent is a one-way flow valve allowing the flow of gas into the inside air space of the dome portion of the mask through the vent, but not allowing the flow of gas out of the inside air space of the dome portion of the mask through the vent.

21. An anesthesia delivery device for use on a patient having a mouth and a nose having a naris, the delivery device being capable of being coupled to a ventilation system having an inspiratory gas input for delivering gas to the patient and an exhaust gas output for delivering gas from a patient to the ventilation system, the anesthesia device comprising:

an inspiratory gas line having a machine end and a patient end, the machine end being capable of being fluidly coupled to the inspiratory gas input of the ventilation system, and the patient end being configured for being received within the naris of the patient for delivering inspiratory gas to the naris of the patient, and a facemask comprising

a dome portion sized to cover the patient's nose without covering the patient's mouth, the dome portion defining an inside air space between the patient's nose and the dome portion, and an outside air space exterior of the dome portion,

an exhaust port;

an exhaust connector connected to the exhaust port of the face mask and capable of being fluidly coupled to the exhaust gas output of the ventilation system for allowing gas to pass from the inside air space to the exhaust gas output of the ventilation system;

wherein the exhaust port and vent are capable of cooperatively exerting a negative pressure on the outside air space adjacent to the face mask for preventing inspiratory gases from entering the outside air space adjacent to the face mask.

22. The anesthesia delivery device of claim 21 wherein the exhaust connector is bifurcated, having a first leg, a second leg and a third leg wherein gas can flow freely between the first, second and third legs; the first leg being attached to the exhaust port, the second leg capable of being fluidly coupled to the exhaust gas output of the ventilation system, the third leg coupled to a one-way flow valve allowing the flow of gas into the exhaust connector through the third leg but not allowing the flow of gas out of the third leg through the vent.
23. The anesthesia delivery device of claim 22 wherein the exhaust connector is T-shaped.
24. An anesthesia delivery device for use on a patient having a mouth and a nose having a naris, the delivery device being capable of being coupled to a ventilation system having an inspiratory gas input for delivering gas to the patient and an exhaust gas output for delivering gas from a patient to the ventilation system, the anesthesia device comprising:
- a face mask comprising
 - a dome portion having a lower edge, the dome portion being sized to cover the patient's nose without covering the patient's mouth, the dome portion defining an inside air space between the patient's nose and the dome portion, and an outside air space exterior of the dome portion,

a cushion member attached to the lower edge of the dome portion

a vent for allowing gas to pass between the inside air space and the outside air space,

an exhaust port for allowing gas to pass from the inside air space of the dome portion; and

an inspiratory port;

an inspiratory gas line having a machine end and a patient end, the machine end being located in the outside air space and being capable of being fluidly coupled to the inspiratory gas input of the ventilation system, and the patient end being located in the inside air space and being configured for being received within the naris of the patient for delivering inspiratory gas to the naris of the patient, the inspiratory gas line passing from the outside air space into the inside air space through the inspiratory port;

an exhaust line having a machine end and a patient end, the machine end being capable of being fluidly coupled to the exhaust gas output of the ventilation system, and the patient end being connected to the exhaust port for scavenging gases from the inside air space of the dome portion;

an eye shield having a shield attachment mechanism for attaching the eye shield to the face mask such that the eye shield covers the eyes of the patient;

wherein the exhaust port and vent are capable of cooperatively exerting a negative pressure on the outside air space adjacent to the face mask for preventing inspiratory gases from entering the outside air space adjacent to the face mask.

25. The anesthesia delivery device of claim 24 wherein the cushion member is a bladder filled with a gas; and wherein the face mask further comprises an inflation valve for increasing or decreasing the gas pressure within the bladder; and wherein the eye shield further comprises an aperture sized and located to fit around the inflation valve.
26. The anesthesia delivery device of claim 24 wherein the inspiratory gas line further comprises a first side line, a second side line, and a slide member; wherein inspiratory gases pass between the machine end and the patient end of the inspiratory gas line through both the first side line and the second side line; wherein the slide member surrounds the first and second side lines and is slideable along the first and second side lines allowing the first and second side lines to be placed on opposite sides of the patient's head and the slide member can be positioned to create a snug fit of the inspiratory gas line around the head of the patient to hold the anesthesia delivery device in place.
27. The anesthesia delivery device of claim 24 further comprising a strap for attaching the anesthesia delivery device to the patient's head.
28. The anesthesia delivery device of claim 27 wherein the strap has a right end, a left end and a central portion being disposed between the right end and the left end; and further comprises an aperture located in the central portion, the aperture being fit

around the exhaust line for attaching the strap to the anesthesia delivery device, a first fastening piece located on the right end of the strap, and a second fastening piece located on the left end of the strap, the first fastening piece being capable of being matingly connected to the second fastening piece for attaching the anesthesia delivery device to the patient's head.

29. The anesthesia delivery device of claim 24 wherein the vent is a one-way flow valve allowing the flow of gas into the inside air space of the dome portion of the mask through the vent, but not allowing the flow of gas out of the inside air space of the dome portion of the mask through the vent.
30. An anesthesia delivery device for use on a patient having a mouth and a nose having a nares, the delivery device being capable of being coupled to a ventilation system having an inspiratory gas input for delivering gas to the patient and an exhaust gas output for delivering gas from a patient to the ventilation system, the anesthesia device comprising:
 - a face mask comprising
 - a dome portion having a lower edge, the dome portion being sized to cover the patient's nose without covering the patient's mouth, the dome portion defining an inside air space between the patient's nose and the dome portion, and an outside air space exterior of the dome portion,
 - a cushion member attached to the lower edge of the dome portion

a flow vent for allowing the flow of gas into the inside air space through the vent, but not allowing the flow of gas out of the inside air space through the vent,

an exhaust port for allowing gas to pass from the inside air space of the dome portion; and

an inspiratory port;

an inspiratory gas line having a machine end and a patient end, the machine end being located in the outside air space and being capable of being fluidly coupled to the inspiratory gas input of the ventilation system, and the patient end being located in the inside air space and being configured for being received within the naris of the patient for delivering inspiratory gas to the naris of the patient, the inspiratory gas line passing from the outside air space into the inside air space through the inspiratory port;

an exhaust line having a machine end and a patient end, the machine end being capable of being fluidly coupled to the exhaust gas output of the ventilation system, and the patient end being connected to the exhaust port for scavenging gases from the inside air space of the dome portion;

an eye shield having a shield attachment mechanism for attaching the eye shield to the face mask such that the eye shield covers the eyes of the patient;

wherein the exhaust port and vent are capable of cooperatively exerting a negative pressure on the outside air space adjacent to the face mask for preventing inspiratory gases from entering the outside air space adjacent to the face mask.

31. An anesthesia delivery device for use on a patient having a mouth and a nose having a naris, the delivery device being capable of being coupled to a ventilation system having an inspiratory gas input for delivering gas to the patient and an exhaust gas output for delivering gas from a patient to the ventilation system, the anesthesia device comprising:
- a face mask comprising
 - a dome portion having a lower edge, the dome portion being sized to cover the patient's nose without covering the patient's mouth, the dome portion defining an inside air space between the patient's nose and the dome portion, and an outside air space exterior of the dome portion,
 - a cushion member attached to the dome portion
 - an exhaust port for allowing gas to pass from the inside air space of the dome portion; and
 - an inspiratory port;
 - an inspiratory gas line having a machine end and a patient end, the machine end being located in the outside air space and being capable of being fluidly coupled to the inspiratory gas input of the ventilation system, and the patient end being located in the inside air space and being configured for being received within the naris of the patient for delivering inspiratory gas to the naris of the patient, the inspiratory gas line passing from the outside air space into the inside air space through the inspiratory port;

a bifurcated exhaust line having a patient end, a first machine end and a second machine end, wherein gas can flow freely between the patient end, the first machine end and the second machine end, the patient end being coupled to the exhaust port of the face mask, the first machine end being capable of being fluidly coupled to the exhaust gas output of the ventilation system, and the second machine end being coupled to a one-way flow valve allowing the flow of gas into the exhaust line through the second machine end but not allowing the flow of gas out of the second machine end through the flow valve; and
an eye shield having a shield attachment mechanism for attaching the eye shield to the face mask such that the eye shield covers the eyes of the patient;

wherein the exhaust port and vent are capable of cooperatively exerting a negative pressure on the outside air space adjacent to the face mask for preventing inspiratory gases from entering the outside air space adjacent to the face mask.

32. The anesthesia delivery device of claim 31 wherein the face mask includes a scenting material to impart a scent to the face mask.
33. The anesthesia delivery device of claim 32 wherein the scenting material is chosen from a group of scenting materials including fruit scented scenting materials, candy scented scenting materials, flower scented scenting materials, spice scented scenting materials, potpourri scented scenting materials, perfume scented scenting material, gum scented scenting materials, food scented scenting material, and plant scented

scenting materials,